

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims

1-29. (Canceled)

30. (Currently Amended) A method ~~for~~ of handling a web service handling in a packet-switched communication system ~~including in which~~ a first mobile node ~~having a~~ and a second mobile node store the web service and the first and second mobile nodes communicate with each other to utilize the service ~~associated with a web service identifier~~, the method comprising the steps of:

receiving by a registration unit separate from the first and second mobile nodes, a request from the first mobile node to register the web service of the first mobile node at the registration unit, the request including ~~unique identification information comprising~~ a web service identifier associated with the web service and a unique circuit-switched identifier of the first mobile node;

registering, at the registration unit, the web service identifier associated with the web service, the ~~unique identification information together with~~ circuit-switched identifier of the first mobile node, and locating information for the web service at the first mobile node;

receiving at the registration unit, a request from ~~a second~~ the second mobile node ~~in the communication system~~ requesting the locating information for the web service at the first mobile node, ~~the web service at the first mobile node being specified through the unique identification information wherein the request from the second mobile node includes the web service identifier associated with the web service and the unique circuit-switched identifier of the first mobile node;~~ and

transferring the requested locating information from the registration unit to the second mobile node to enable the second mobile node to communicate with the web service at the first mobile node.

31. (Canceled)

32. (Currently Amended) The method of ~~claim 31~~ claim 30, wherein the unique circuit-switched identifier comprises a telephone or E. 164 number of the first mobile node.

33. (Canceled)

34. (Previously Presented) The method of claim 30, further comprising the step of establishing, at the second mobile node, communication with the web service of the first mobile node using the locating information.

35. (Currently Amended) The method of claim 30, further comprising the step of concatenating, at the first mobile node, the web service identifier and the unique circuit-switched identifier of the first mobile node into a combined service and node specific identifier to be used in the transmitting step sent to the registration unit.

36. (Previously Presented) The method of claim 30, further comprising the step of concatenating, at the registration unit, the web service identifier and the unique circuit-switched identifier of the first mobile node into a combined service and node specific identifier to be used in the registering step.

37. (Previously Presented) The method of claim 30, wherein the locating information comprises a current IP address of the first mobile node and a port number of the web service at the first mobile node.

38. (Previously Presented) The method of claim 30, wherein the locating information comprises an identifier of an intermediate device used for reaching the first mobile node.

39. (Previously Presented) The method of claim 30, wherein the locating information comprises an IP address of an intermediate device used for reaching the first mobile node.

40. (Previously Presented) The method of claim 30, wherein the web service identifier comprises a Uniform Resource Identifier (URI).

41. (Currently Amended) A registration unit server in a packet-switched communication system ~~that handles web services and includes a first mobile node having a web service associated with a web service identifier for handling a web service, wherein a first mobile node and a second mobile node store the web service and the first and second mobile nodes communicate with each other to utilize the service,~~ the registration unit server comprising:

a processor and a non-transitory memory device for storing computer program instructions, wherein when the processor executes the instructions, the processor causes the registration server to perform the following steps:

~~means for~~ receiving, from the first mobile node, a request to register the web service of the first mobile node at the registration unit, the request including ~~unique identification information comprising the~~ a web service identifier associated with the web service and a unique circuit-switched identifier of the first mobile node;

~~means for~~ registering the web service identifier associated with the web service, the unique identification information together with circuit-switched identifier of the first mobile node, and locating information for the web service at the first mobile node;

~~means for~~ receiving, from a second the second mobile node ~~in the communication system,~~ an address request for the web service at the first mobile node specified through the unique identification information, wherein the address request

includes the web service identifier associated with the web service and the unique circuit-switched identifier of the first mobile node; and

~~means for~~ transferring the locating information for the web service at the first mobile node to the second mobile node in response to the address request.

42. (Currently Amended) The registration unit server of claim 41, wherein the unique circuit-switched identifier comprises a telephone or E.164 number of the first mobile node.

43. (Canceled)

44. (Currently Amended) The registration unit server of claim 41, ~~further comprising means for concatenating~~ wherein the server is adapted to concatenate the web service identifier and the unique circuit-switched identifier of the first mobile node into a combined service and node specific identifier.

45. (Currently Amended) The registration unit server of claim 41, wherein the locating information comprises a current IP address of the first mobile node and a port number of the web service at the first mobile node.

46. (Currently Amended) The registration unit server of claim 41, wherein the locating information comprises an identifier of an intermediate device used for reaching the first mobile node.

47. (Currently Amended) The registration unit server of claim 41, wherein the locating information comprises an IP address of an intermediate device used for reaching the first mobile node.

48. (Currently Amended) The registration unit server of claim 41, comprising a Session Initiation Protocol (SIP) registrar server.

49. (Currently Amended) A mobile node in a packet-switched communication system having means a registration unit for handling a web service handling, the mobile node ~~including~~ storing a web service associated with a web service identifier and comprising:

a processor and a non-transitory memory device for storing computer program instructions, wherein when the processor executes the instructions, the processor causes the mobile node to perform the following steps:

~~means for~~ transmitting, to a registration unit, a request to register the web service, the request including ~~unique identification information comprising the web service identifier~~ associated with the web service and a unique circuit-switched identifier of the mobile node, the registration unit registering the web service identifier associated with the web service, the unique circuit-switched identifier of the first mobile node, and locating information for the web service at the mobile node; and

~~means for~~ establishing communications between the ~~mobile node's~~ stored web service and a second mobile node that requests communication with the web service using the locating information.

50. (Previously Presented) The mobile node of claim 49, wherein the unique circuit-switched identifier comprises a telephone or E.164 number of the mobile node.

51. (Currently Amended) The mobile node of claim 49, ~~further comprising means for concatenating~~ wherein the mobile node is adapted to concatenate the web service identifier and the unique circuit-switched identifier of the mobile node into a combined service and node specific identifier.

52. (Currently Amended) The mobile node of claim 49, ~~further comprising~~ wherein the mobile node is adapted to:

~~means for requesting request~~ locating information for a web service at a third the second mobile node from the registration unit, the web service at the third second

mobile node being specified through unique identification information registered at the registration unit by the ~~third~~ second mobile node; and

~~means for establishing~~ establish communication with the web service of the ~~third~~ second mobile node using the requested locating information.

53. (Currently Amended) The mobile node of claim 52, wherein the locating information for the web service at the ~~third~~ second mobile node comprises a current IP address of the ~~third~~ second mobile node and a port number of the web service at the ~~third~~ second mobile node.

54. (Currently Amended) The mobile node of claim 52, wherein the locating information for the web service at the ~~third~~ second mobile node comprises an identifier of an intermediate device used for reaching the ~~third~~ second mobile node.

55. (Currently Amended) The mobile node of claim 52, wherein the locating information for the web service at the ~~third~~ second mobile node comprises an IP address of an intermediate device used for reaching the ~~third~~ second mobile node.

56. (Currently Amended) A packet-switched communication system that handles web services and includes a first mobile node having a web service associated with a web service identifier, the system comprising:

a first mobile node; and

a registration unit in communication with the mobile node;

~~means for transmitting, from wherein~~ the first mobile node is adapted to store a web service associated with a web service identifier, and to transmit to a registration unit, a request for registering the web service of the first mobile node, the request including ~~unique identification information comprising~~ the web service identifier associated with the web service and a unique circuit-switched identifier of the first mobile node; and

~~means at wherein~~ the registration unit ~~for registering the unique identification information together with~~ is adapted to register the web service identifier associated with

the web service, the unique circuit-switched identifier of the first mobile node, and
locating information for the web service at the first mobile node, and ~~for making is~~
adapted to make the locating information available to a second mobile node in the
communication system to enable the second mobile node to communicate with the web
service at the first mobile node.

57. (Previously Presented) The system of claim 56, wherein the unique
circuit-switched identifier comprises a telephone or E.164 number of the first mobile
node.

58. (Currently Amended) The system of claim 56, ~~further comprising~~
wherein the second mobile node is adapted to:

~~means for requesting, at the second mobile node,~~ request the locating
information for the web service at the first mobile node from the registration unit, the
web service at the first mobile node being specified through the ~~unique identification~~
~~information~~ web service identifier associated with the web service and the unique
circuit-switched identifier of the first mobile node;

~~means for transferring~~ receive the requested locating information from the
registration unit ~~to the second mobile node;~~ and

~~means for establishing, at the second mobile node,~~ establish communication with
the web service of the first mobile node using the locating information.

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